

Atmos. Chem. Phys. Discuss., author comment AC1  
<https://doi.org/10.5194/acp-2021-752-AC1>, 2022  
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## Reply on RC2

Christopher Holmes

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Author comment on "Technical note: Entrainment-limited kinetics of bimolecular reactions in clouds" by Christopher D. Holmes, Atmos. Chem. Phys. Discuss.,  
<https://doi.org/10.5194/acp-2021-752-AC1>, 2022

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**Thank you for the supportive comments and constructive suggestions clarity. I will adopt the notation with  $c_A$  and  $c_B$  for gas-phase concentrations. I will also add the phrase "gas-phase" when these variables are introduced and a sentence about units, both in Section 2. As the reviewer suggests, a future paper will address the sulfate formation comprehensively.**